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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known	
Application Number	10/781,014-Conf. #2283
Filing Date	February 17, 2004
First Named Inventor	Markus POMPEJUS
Art Unit	1652
Examiner Name	C. L. Fronda
Attorney Docket Number	BGI-126CPCN

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

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C.F.	C1	Broun, Pierre et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids," *Science*, Vol. 282:1315-1317 (1998)	
C.F.	C2	Ng, David H.W. et al., "Point Mutation in the Second Phosphatase Domain of CD45 Abrogates Tyrosine Phosphatase Activity," *Biochemical and Biophysical Research Communications*, Vol. 206(1):302-309 (1995)	

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C.F.	B1	EP-0204326-A2	12-10-1986	Kyowa Hakko Kogyo Co., Ltd.		
	B2	JP-62232392	10-12-1987	Kyowa Hakko Kogyo Co., Ltd.		Abstr.
	B3	JP-62244382	10-24-1987	Ajinomoto Co., Inc.		Abstr.
	B4	EP-0358940-A1	03-21-1990	Degussa Aktiengesellschaft		
	B5	JP-04278088	10-02-1992	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B6	JP-04330284	11-18-1992	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B7	JP-05030977	02-09-1993	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B8	JP-05056782	03-09-1993	Kyowa Hakko Kogyo Co. Ltd.		Abstr.
	B9	JP-05076352	03-30-1993	Ajinomoto Co., Inc.		Abstr.
	B10	JP-05184366	07-27-1993	Mitsubishi Petrochem Co. Ltd.		Abstr.
	B11	JP-05184371	07-27-1993	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B12	JP-05284970	11-02-1993	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B13	JP-05284972	11-02-1993	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B14	JP-05344881	12-27-1993	Ajinomoto Co., Inc.		Abstr.
	B15	JP-05344893	12-27-1993	Mitsubishi Petrochem Co., Ltd.		Abstr.
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	B18	JP-06261766	09-20-1994	Mitsubishi Petrochem Co., Ltd.		Abstr.
	B19	JP-06277067	10-04-1994	Mitsubishi Petrochem Co., Ltd.		Abstr.
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	B22	JP-07031478	02-03-1995	Mitsubishi Chem		Abstr.
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	B26	JP-07075579	03-20-1995	Mitsubishi Chem		Abstr.
	B27	WO-9519442-A1	07-20-1995	Forschungszentrum Jülich GMGH Möckel		Abstr.
	B28	JP-09224661	09-02-1997	Mitsubishi Chem		Abstr.

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Art Unit	1652
Examiner Name	Christian L. Fronda
Attorney Docket Number	BGI-126CPCN

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C.F.	C1	Ankri, Serge, et al., "Mutations in the *Corynebacterium glutamicum* Proline Biosynthetic Pathway: a Natural Bypass of the *proA* Step," *Journal of Bacteriology,* Vol. 178(15):4412-4419 (1996)	
	C2	Billman-Jacobe, H., "Nucleotide sequence of a *recA* gene from *Cornybacterium glutamicum*," *The Journal of Sequencing and Mapping,"* Vol. 4:403-404 (1994)	
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	C4	Bonnassie, S., et al., "Nucleotide sequence of the *dapA* gene from *Corynebacterium glutamicum*," *Nucleic Acids Research,* Vol. 18(21):6421 (1990)	
	C5	Börmann, E.R., et al., "Molecular analysis of the *Corynebacterium glutamicum gdh* gene encoding glutamate dehydrogenase," *Molecular Microbiology,* Vol. 6(3):317-326 (1992)	
	C6	Chen, Chian-Chi, et al., "The cloning and nucleotide sequence of a *Corynebacterium glutamicum* 3-deoxy-D-arabinoheptulosonate-7-phosphate synthase gene," *FEMS Micrkobiology Letters,* Vol. 107:223-230 (1993)	
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	C8	Correia, Antonio, et al., "Cloning and characterization of an IS-like element present in the genome of *Brevibacterium lactofermentum* ATCC 13869," *Gene,* Vol. 170:91-94 (1996)	
	C9	Dusch, Nicole, et al., "Expression of the *Corynebacterium glutamicum panD* Gene Encoding L-Aspartate-α-Decarboxylase Leads to Pantothenate Overproduction in *Escherichia coli*," *Applied and Environmental Microbiology,* Vol. 65(4):1530-1539 (1999)	
	C10	Eikmanns, Bernhard J., et al., "Nucleotide sequence, expression and transcriptional analysis of the *Corynebacterium glutamicum gltA* gene encoding citrate synthase," *Microbiology,* Vol. 140:1817-1828 (1994)	
	C11	Eikmanns, Bernhard J., "Identification, Sequence Analysis, and Expression of a *Corynebacterium glutamicum* Gene Cluster Encoding the Three Glycolytic Enzymes Glyceraldehyde-3-Phosphate Dehydrogenase, 3-Phosphoglycerate Kinase, and Triosephosphate Isomerase," *Journal of Bacteriology,* Vol. 174(19):6076-6086 (1992)	
	C12	Eikmanns, Bernhard J., et al., "Cloning, Sequence Analysis, Expression, and Inactivation of the *Corynebacterium glutamicum icd* Gene Encoding Isocitrate Dehydrogenase and Biochemical Characterization of the Enzyme," *Journal of Bacteriology,* Vol. 177(3):774-782 (1995)	
	C13	GenBank Accession No. Z83866 for Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Cole, S.T. et al, 09/02/02	
	C14	Fitzpatrick, R., et al., "Construction and characterization of *recA* mutant strains of *Corynebacterium glutamicum* and *Brevibacterium lactofermentum*," *Appl. Microbiol. Biotechnol.,* Vol. 42:575-580 (1994)	
	C15	Follettie, Max T., et al., "Molecular Cloning and Nucleotide Sequence of the *Corynebacterium glutamicum pheA* Gene," *Journal of Bacteriology,* Vol. 167(2):695-702 (1986)	
	C16	Fouet, Agnes, et al., "*Bacillus subtilis* sucrose-specific enzyme II of the phosphotransferase system: Expression in *Escherichia coli* and homology to enzymes II from enteric bacteria," *Proc. Natl. Acad. Sci.,* Vol. 84:8773-8777 (1987)	
	C17	Han, K.-S., et al., "The molecular structure of the *Corynebacterium glutamicum* threonine synthase gene," *Molecular Microbiology,* Vol. 4(10):1693-1702 (1990)	

Examiner Signature	/Christian Fronda/	Date Considered	06/14/2007

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Sheet 3 of 19

Complete if Known	
Application Number	10/781014-Conf. #2283
Filing Date	February 17, 2004
First Named Inventor	Markus POMPEJUS
Art Unit	1652
Examiner Name	Christian L. Fronda
Attorney Docket Number	BGI-126CPCN

C.F.	C18	Heery, D.M., et al., "Nucleotide sequence of the *Corynebacterium glutamicum trpE* gene," *Nucleic Acids Research,* Vol. 18(23):7138 (1990)	
	C19	Heery, D.M., et al., "Cloning of the trp Gene Cluster from a Tryptophan-Hyperproducing Strain of *Corynebacterium glutamicum*: Identification of a Mutation in the trp Leader Sequence," *Applied and Environmental Microbiology,* Vol. 59(3):791-799 (1993)	
	C20	Heery, David M., et al., "A Sequence from a Tryptophan-Hyperproducing Strain of *Corynebacterium glutamicum* Encoding Resistance to 5-Methyltryptophan," *Biochemcial and Biophysical Research Communications,* Vol. 201(3):1255-1262 (1994)	
	C21	Honrubia, M.P., et al., "Identification, characterization, and chromosomal organization of the *ftsZ* gene from *Brevibacterium lactofermentum*," *Mol. Gen. Genet.,* Vol. 259:97-104 (1998)	
	C22	Ishino, Shuichi, et al., "Nucleotide sequence of the meso-diaminopimelate D-dehydrogenase gene from Corynebacterium glutamicum," *Nucleic Acids Research,* Vol. 15(9):3917 (1987)	
	C23	Jäger, Wolfgang, et al., "A *Corynebacterium glutamicum* Gene Conferring Multidrug Resistance in the Heterologous Host *Escherichia coli*," *Journal of Bacteriology,* Vol. 179(7):2449-2451 (1997)	
	C24	Jäger, Wolfgang, et al., "A *Corynebacterium glutamicum* gene encoding a two-domain protein similar to biotin carboxylases and biotin-carboxyl-carrier proteins," *Arch. Microbiol.,* Vol. 166:76-82 (1996)	
	C25	Jakoby, Marc, et al., "Isolation of the *Corynebacterium glutamicum glnA* gene encoding glutamine synthetase I," *FEMS Microbiology Letters,* Vol. 154:81-88 (1997)	
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	C27	Jetten, Mike S., et al., "Structural and Functional Analysis of Pyruvate Kinase from *Corynebacterium glutamicum*," *Applied and Environmental Microbiology,* Vol. 60(7):2501-2507 (1994)	
	C28	Joliff, G., et al., "Cloning and nucleotide sequence of the *csp1* gene encoding PS1, one of the two major secreted proteins of *Corynebacterium glutamicum*: the deduced *N*-terminal region of PS1 is similar to the *Mycobacterium* antigen 85 complex," *Molecular Microbiology,* Vol. 6(16):2349-2362 (1992)	
	C29	Kalinowski, J., et al., "Genetic and biochemical analysis of the aspartokinase from *Corynebacterium glutamicum*," *Molecular Microbiology,* Vol. 5(5):1197-1204 (1991)	
	C30	Kalinowski, Jörn, et al., "Aspartokinase gene *lysCχ* and *lysCβ* overlap and are adjacent to the aspartate β-semialdehyde dehydrogenase gene *asd* in *Corynebacterium glutamicum*," *Mol. Gen. Genet.,* Vol. 224:317-324 (1990)	
	C31	Keilhauer, Carmen, et al., "Isoleucine Synthesis in *Corynebacterium glutamicum*: Molecular Analysis of the *ilvB-ilvN-ilvC* Operon," *Journal of Bacteriology,* Vol. 175(17):5595-5603 (1993)	
	C32	Kimura, Eiichiro, et al., "Molecular Cloning of a Novel Gene, *dtsR*, Which Rescues the Detergent Sensitivity of a Mutant Derived from *Brevibacterium lactofermentum*," *Biosci. Biotech. Biochem.,* Vol. 60(10):1565-1570 (1996)	
	C33	Kobayashi, Miki, et al., "Cloning, Sequencing, and Characterization of the *ftsZ* Gene from Coryneform Bacteria," *Biochemical and Biophysical Research Communications,* Vol. 236:383-388 (1997)	
	C34	Kronemeyer, Wolfgang, et al., "Structure of the *gluABCD* Cluster Encoding the Glutamate Uptake System of *Corynebacterium glutamicum*," *Journal of Bacteriology,* Vol. 177(5):1152-1158 (1995)	
↓	C35	Lee, Heung-Shick, et al., "Molecular Characterization of AceB, a Gene Encoding Malate Synthase in *Corynebacterium glutamicum*," *Journal of Microbiology and Biotechnology,* Vol. 4(4):256-263 (1994)	

Examiner Signature	/Christian Fronda/	Date Considered	06/14/2007

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C.F.	C36	Lee, Jung-Kee et al, "Nucleotide sequence of the gene encoding the *Corynebacterium glutamicum* mannose enzyme II and analyses of the deduced protein sequence," *FEMS Microbiology Letters,* Vol. 119:137-146 (1994)	
	C37	Le Marrec, Claire, et al., "Genetic Characterization of Site-Specific Integration Functions of ΦAAU2 Infecting '*Arthrobacter aureus*' C70," *Journal of Bacteriology,* Vol. 178(7):1996-2004 (1996)	
	C38	Lepiniec, Loïc, et al., "*Sorghum* phosphoenolpyruvate carboxylase gene family: structure, function and molecular evolution," *Plant Molecular Biology,* Vol. 21:487-502 (1993)	
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	C42	Marcel, T., et al., "Nucleotide sequence and organization of the upstream region of the *Corynebacterium glutamicum lysA* gene," *Molecular Microbiology,* Vol. 4(11):1819-1830 (1990)	
	C43	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine kinase (*thr* B) gene of *Brevibacterium lactofermentum*," *Nucleic Acids Research,* Vol. 15(9):3922 (1987)	
	C44	Mateos, Luis M., et al., "Nucleotide sequence of the homoserine dehydrogenase (*thr* A) gene of *Brevibacterium lactofermentum*," *Nucleic Acids Research,* Vol. 15(24):10598 (1987)	
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	C46	Möckel, Bettina, et al., "Functional and Structural Analyses of Threonine Dehydratase from *Corynebacterium glutamicum*," *Journal of Bacteriology,* Vol. 174(24):8065-8072 (1992)	
	C47	Molenaar, Douwe, et al., "Biochemical and genetic characterization of the membrane-associated malate dehydrogenase (acceptor) from *Corynebacterium glutamicum*," *Eur. J. Biochem.,* Vol. 254:395-403 (1998)	
	C48	Moreau, Sylvia, et al., "Site-specific integration of corynephage Φ16: construction of an integration vector," *Microbiology,* Vol. 145:539-548 (1999)	
	C49	Moreau, Sylvie, et al., "Analysis of the Integration Functions of Φ304L: An Integrase Module among Corynephages," *Virology,* Vol. 255:150-159 (1999)	
	C50	O'Gara, James P., et al., "Mutations in the *trpD* Gene of *Corynebacterium glutamicum* Confer 5-Methyltryptophan Resistance by Encoding a Feedback-Resistant Anthranilate Phosphoribosyltransferase," *Applied and Environmental Microbiology,* Vol. 61(12):4477-4479 (1995)	
	C51	Oguiza, José A., et al., "A Gene Encoding Arginyl-tRNA Synthetase Is Located in the Upstream Region of the lysA Gene in *Brevibacterium lactofermentum*: Regulation of *argS-lysA* Cluster Expression by Arginine," *Journal of Bacteriology,* Vol. 175(22):7356-7362 (1993)	
	C52	Oguiza, José A., et al., "Molecular Cloning, DNA Sequence Analysis, and Characterization of the *Corynebacterium diphtheriae dtxR* Homolog from *Brevibacterium lactofermentum*," *Journal of Bacteriology,* Vol. 177(2):465-467 (1995)	
↓	C53	Oguiza, José A., et al., "Multiple Sigma Factor Genes in *Brevibacterium lactofermentum*: Characterization of *sigA* and *sigB*," *Journal of Bacteriology,* Vol. 178(2):550-553 (1996)	

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C.F.	C54	Oguiza, José A., et al., "The galE gene encoding the UDP-galactose 4-epimerase of *Brevibacterium lactofermentum* is coupled transcriptionally to the *dmdR* gene," *Gene*, Vol. 177:103-107 (1996)	
	C55	O'Regan, Michael, et al., "Cloning and nucleotide sequence of the phosphoenolpyruvate carboxylase-coding gene of *Corynebacterium glutamicum* ATCC13032," *Gene*, Vol. 77:237-251 (1989)	
	C56	Park, Soo-Dong, et al., "Isolation and Analysis of *metA*, a Methionine Biosynthetic Gene Encoding Homoserine Acetyltransferase in *Corynebacterium glutamicum*," *Mol. Cells*, Vol. 8(3):286-294 (1998)	
	C57	Park, Yong-Ha, et al., "Phylogenetic Analysis of the Coryneform Bacteria by 5S rRNA Sequences," *Journal of Bacteriology*, Vol. 169(5):1801-1806 (1987)	
	C58	Pascual, Cristina, et al., "Phylogenetic Analysis of the Genus *Corynebacterium* Based on 16S rRNA Gene Sequences," *International Journal of Systematic Bacteriology*, Vol. 45(4):724-728 (1995)	
	C59	Pátek, M., et al., "Analysis of the *leuB* gene from *Corynebacterium glutamicum*," *Appl Microbiol Biotechnol*, Vol. 50:42-47 (1998)	
	C60	Pátek, Miroslav, et al., "Leucine Synthesis in *Corynebacterium glutamicum*: Enzyme Activities, Structure of *leuA*, and Effect of *leuA* Inactivation on Lysine Synthesis," *Applied and Environmental Microbiology*, Vol. 60(1):133-140 (1994)	
	C61	Pátek, Miroslav, et al., "Promoters from *Corynebacterium glutamicum*: cloning, molecular analysis and search for a consensus motif," *Microbiology*, Vol. 142:1297-1309 (1996)	
	C62	Pátèk, M., et al., "Identification and transcriptional analysis of the *dapB*-ORF2-*dapA*-ORF4 operon of *Corynebacterium glutamicum*, encoding two enzymes involved in L-lysine synthesis," *Biotechnology Letters*, Vol. 19(11):1113-1117 (1997)	
	C63	Peoples, O.P., et al., "Nucleotide sequence and fine structural analysis of the *Corynebacterium glutamicum hom-thrB* operon," *Molecular Microbiology*, Vol. 2(1):63-72 (1988)	
	C64	Peter, Heidi, et al., "*Corynebacterium glutamicum* Is Equpped with Four Secondary Carriers for Compatible Solutes: Identification, Sequencing, and Characterization of the Proline/Ectoine Uptake System, ProP, and the Ectoine/Proline/Glycine Betaine Carrier, EctP," *Journal of Bacteriology*, Vol. 180(22):6005-6012 (1998)	
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Examiner Name	Christian L. Fronda
Attorney Docket Number	BGI-126CPCN

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First Named Inventor	Markus POMPEJUS
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Examiner Name	Christian L. Fronda
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C.F.	C307	GenBank Accession No. X90357 for Promoters from Corynebacterium glutamicum: cloning, molecular analysis and search for a consensus motif, Patek, M. et al, 11/04/96	
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C.F	C329	GenBank Accession No. Y00546 for Nucleotide sequence and fine structural analysis of the Corynebacterium glutamicum hom-thrB operon, Peoples, O.P. et al, 09/12/93	
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C.F.	C350	GenBank Accession No. Z81368, Cole, S.T. et al, "Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence," *Nature*, Vol. 393(6685):537-544 (1998), 09/02/02	

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